

**A RESOLUTION
BY FINANCE/EXECUTIVE COMMITTEE**

11- R -0915

A RESOLUTION AUTHORIZING THE MAYOR TO EXECUTE A SOLE SOURCE PURCHASE WITH NABCO, INC., FOR SPECIALIZED HOMELAND SECURITY EQUIPMENT, ON BEHALF OF THE DEPARTMENT OF POLICE, IN AN AMOUNT NOT TO EXCEED THREE-HUNDRED AND FOUR THOUSAND, FOUR-HUNDRED DOLLARS (\$304,400). ALL COSTS SHALL BE CHARGED TO AND PAID FROM A GRANT FROM THE UNITED STATES DEPARTMENT OF HOMELAND SECURITY: 2501 (INTERGOVERNMENTAL GRANT FUND); 240101 (GENERAL LEDGER DEPARTMENT: APD CHIEF OF POLICE; 5421003 (EXPENSE ACCOUNT: EQUIPMENT \$5,000+); 1320000 (FUNCTION ACTIVITY NUMBER: CHIEF EXECUTIVE); 210951 (GENERAL LEDGER PROJECT: FY08 SWAT); 41972 (GENERAL LEDGER FUNDING SOURCE: FY08 SWAT); AND FOR OTHER PURPOSES.

WHEREAS, the Department of Police ("Department") desires to purchase specialized homeland security equipment for the special weapons and tactics ("SWAT") unit to improve its ability to respond to terrorist attacks on the City of Atlanta ("City"); and

WHEREAS, the desired purchase of specialized homeland security equipment is part of a Federal Fiscal Year 2008 State Homeland Security Grant Program, approved by council under 11-O-0216, that reimburses the entire cost of the desired specialized homeland security equipment to the City; and

WHEREAS, NABCO is the sole supplier of the desired equipment, and has been authorized by Council as a sole source supplier of the desired equipment in the past under 09-R-0922; and

WHEREAS, the Chief Procurement Officer has Authorized a sole source procurement in accordance with the City of Atlanta Code of Ordinances Section 2-1191; and

WHEREAS, the Chief of Police and the Chief Procurement Officer recommend that a sole source purchase be awarded to NABCO for the desired homeland security equipment in an amount not to exceed three-hundred and four thousand, four-hundred dollars (\$304,400).

THE COUNCIL OF THE CITY OF ATLANTA, GEORGIA, HEREBY RESOLVES, that the Mayor is authorized to execute a sole source purchase with NABCO, Inc for the purchase of specialized homeland security equipment on behalf of the Department of Police, in an amount not to exceed three-hundred and four thousand, four-hundred dollars (\$304,400).

BE IT FURTHER RESOLVED, that all costs shall be charged to and paid from a grant from the United States Department of Homeland Security: 2501 (Intergovernmental Grant Fund); 240101 (General Ledger Department: APD Chief of Police); 5421003 (Expense Account: Equipment \$5,000+); 1320000 (Function Activity Number: Chief Executive); 210951 (General Ledger Project: FY08 SWAT); 41972 (General Ledger Funding Source: FY08 SWAT).

Part II: Legislative White Paper: (This portion of the Legislative Request Form will be shared with City Council members and staff)

A. To be completed by Legislative Counsel:

Committee of Purview: FINANCE/EXECUTIVE

Caption: A RESOLUTION AUTHORIZING THE MAYOR TO EXECUTE A SOLE SOURCE PURCHASE WITH NABCO, INC., FOR SPECIALIZED HOMELAND SECURITY EQUIPMENT, ON BEHALF OF THE DEPARTMENT OF POLICE, IN AN AMOUNT NOT TO EXCEED THREE-HUNDRED AND FOUR THOUSAND, FOUR-HUNDRED DOLLARS (\$304,400). ALL COSTS SHALL BE CHARGED TO AND PAID FROM A GRANT FROM THE UNITED STATES DEPARTMENT OF HOMELAND SECURITY: 2501 (INTERGOVERNMENTAL GRANT FUND); 240101 (GENERAL LEDGER DEPARTMENT: APD CHIEF OF POLICE; 5421003 (EXPENSE ACCOUNT: EQUIPMENT \$5,000+); 1320000 (FUNCTION ACTIVITY NUMBER: CHIEF EXECUTIVE); 210951 (GENERAL LEDGER PROJECT: FY08 SWAT); 41972 (GENERAL LEDGER FUNDING SOURCE: FY08 SWAT); AND FOR OTHER PURPOSES.

B. To be completed by the department:

1. Please provide a summary of the purpose of this legislation (Justification Statement).

Example: The purpose of this legislation is to anticipate funds from a local assistance grant to purchase child safety seats.

The purpose is to purchase grant-funded equipment before the grant expires in June of 2011. The Police Department received a grant that covers the purchase of the listed item(s). Council approved the grant budget under 11-O-0216. Council approval is required to carry out the purchase.

2. Please provide background information regarding this legislation.

Example: The task force of homelessness conducted a study regarding homelessness, its impact and consequences on the City. This resolution reflects the Mayor's desire to open a twenty-four hour center that will respond to the needs of the homelessness in Atlanta.

The Police Department receives grants from the Department of Homeland Security to secure the City from terrorist attack and natural disasters. APD has made a sole-source purchase of bomb-containment equipment from NABCO before, under resolution 09-R-0922.

3. If Applicable/Known:

(a) Contract Type (e.g. Professional Services, Construction Agreement, etc): NA

- (b) Source Selection:
- (c) Bids/Proposals Due:
- (d) Invitations Issued:
- (e) Number of Bids:
- (f) Proposals Received:
- (g) Bidders/Proponents:
- (h) Term of Contract:

4. Fund Account Center (Ex. Name and number):

2501 (Intergovernmental Grant Fund); 240101 (General Ledger Department: APD Chief of Police); 5421003 (Expense Account: Equipment \$5,000+); 1320000 (Function Activity Number: Chief Executive); 210951 (General Ledger Project: FY08 SWAT); 41972 (General Ledger Funding Source: FY08 SWAT).

5. Source of Funds: Example: Local Assistance Grant : Federal FY 2008 State Homeland Security Grant Program.

6. Fiscal Impact: None

Example: This legislation will result in a reduction in the amount of _____ to Fund Account Center Number _____.

7. Method of Cost Recovery: Grant

Examples:

- a. Revenues generated from the permits required under this legislation will be used to fund the personnel needed to carry out the permitting process.
- b. Money obtained from a local assistance grant will be used to cover the costs of this Summer Food Program.

This Legislative Request Form Was Prepared By: Kurt Braunsroth

Legislation Summary

Committee of Purview:

Caption

A resolution authorizing the Mayor to execute an appropriate contractual agreement on behalf of the Department of Police with NABCO, Inc. in an amount not to exceed three hundred four thousand four hundred dollars and no cents (\$304,400). All contract work shall be charged to and paid from fund account and center number: 2501 (Intergovernmental Grant Fund); 240101 (APD Chief of Police); 5421003 (Equipment \$5,000+); 1320000 (Chief Executive); 210951 (FY08 SWAT); 41972 (FY08 SWAT).

Council Meeting Date: June 20, 2011

Legislation Title: Resolution authorizing the Chief Procurement Officer to utilize in Pursuant to City Code Section 2-1191 (Sole Source Procurement), for the purpose of Homeland Security Equipment on behalf of the Department of Police in an amount not to exceed four thousand four hundred dollars and no cents (\$304,400). All contract work shall be charged to and paid from fund account and center number: 2501 (Intergovernmental Grant Fund); 240101 (APD Chief of Police); 5421003 (Equipment \$5,000+); 1320000 (Chief Executive); 210951 (FY08 SWAT); 41972 (FY08 SWAT).

Requesting Department: Department of Police

Contract Type: N/A

Source Selection: Pursuant to City Code Section 2-1191 (Sole Source Procurement)

Bids/Proposals Due: N/A

Invitations Issued: N/A

**Number of Bids/
Proposals Received:** N/A

Bidders/Proponents: N/A

Justification Statement:	N/A
Background:	N/A
Fund Account Centers:	2501 (Intergovernmental Grant Fund); 240101 (APD Chief of Police); 5421003 (Equipment \$5,000+); 1320000 (Chief Executive); 210951 (FY08 SWAT); 41972 (FY08 SWAT).
Source of Funds:	N/A
Fiscal Impact:	N/A
Term of Contract:	N/A
Method of Cost Recovery:	N/A
Approval: DOF: DOL:	
Prepared By:	Patricia Lowe, Buyer
Contact Number:	404.330.6583



CITY OF ATLANTA

Kasim Reed
Mayor

SUITE 1790
55 TRINITY AVENUE, SW
ATLANTA, GA 30303
(404) 330-6204 Fax: (404) 658-7705
Internet Home Page: www.atlantaga.gov

DEPARTMENT OF PROCUREMENT
Adam L. Smith, Esq., CPPO, CPPB
Chief Procurement Officer
asmith@atlantaga.gov

May 20, 2011

SOLE SOURCE PROCUREMENT CERTIFICATION

This sole source request is made for NABCO, Inc., Model 64 TCV vessel and upgrades for the City of Atlanta, Police Department.

Having conducted an investigation of the available sources regarding the materials, goods and/or services stipulated herein pursuant to § 2-1191 of the City of Atlanta Code of Ordinances, Sole Source Procurement, my findings are the following:

1. NABCO, Inc. – Is the sole source manufacturer and distributor of the Model 64 TCV vessel and upgrades. NABCO is the world leader in the design, development, and manufacture of Total Explosive Containment Vessels. NABCO has been a trusted supplier to the international EOD community since 1980.
2. NABCO, Inc. – The NABCO Treatment System (NTS) can be used to decontaminate by safely and effectively neutralizing chemical or biological agents contained by the vessel. Their full lines of Self-Closing TCVs provide the latest features in the safe handling and detonation of explosive devices and suspect materials.
3. NABCO, Inc. – Is located at 1001 Corporate Drive, Suite 205, Canonsburg, PA 15317.

This sole source verification was confirmed by Mr. Randy Markey of NABCO, Inc. And the sole source product information was researched and obtained from website www.nabcoinc.com.

I, Adam L. Smith, by the authority vested in me pursuant to § 2-1191, do hereby approve, direct and authorize the sole source procurement for Requisition Number: **21111762**.

The NABCO, Inc., Model 64 TCV Vessel and upgrades will be used to allow the bomb squad technicians to safely contain and transport an improvised explosive device to a remote location without endangering their lives or the lives of others for the City of Atlanta, Police Department/ Airport Section Bomb Squad Unit.

A handwritten signature in black ink that reads "Adam L. Smith".
Adam L. Smith



MEMORANDUM

TO: Mr. Adam Smith
Chief Procurement Officer

FROM: Sergeant Robert W. Bailey
Atlanta Police Department/ SWAT Unit

DATE: May 3, 2011

RE: Nabco, Inc. Sole Source Vendor, total cost: \$304,400

In accordance with the City of Atlanta Code of Ordinances, Chapter 2 Administration, Article X Procurement and Real Estate Code, Division 4 Source Selection and Contract Formation, Sec. 2-1191 Sole Source, I forward the following justification for the requested authorization for a sole-source purchase.

The Atlanta Police Department, SWAT/Bomb Squad seeks to acquire a Nabco Model 64-GT-SCS Total Containment Vessel ("TCV") under the 2008 GEMA Homeland Security Grant. This containment vessel is designed to safely move a suspected explosive device and can with- stand an explosive blast of 15 pounds of C4 repeatedly and a onetime blast of 26 pounds of C4. The Nabco system offers a self closing door design, which is operated by a logic control switch that is operated by our bomb robots eliminating the need for a bomb technician to approach the TCV during loading or unloading process. Currently the unit only has one TCV which is old and antiquated in poor working condition.

Nabco Inc. is the sole manufacture, and distributor of this highly-specialized equipment. I have conducted several searches and have found no other vendor that this product can be purchased from so I respectfully request that Nabco Inc. be deemed sole source for this equipment. Thank you in advance for your consideration of this request.

Bailey, Robert W.

From: marc.vincent@gema.ga.gov
Sent: Wednesday, January 26, 2011 9:09 AM
To: Bailey, Robert W.
Subject: Fw: Approved BW Revision - Atlanta PD EOD SWAT Bomb Unit FY08 B2221
Attachments: Atlanta PD EOD SWAT Bomb Unit FY08 BW 2221 01-25-2011.xls

Robert,

The attached budget worksheet is approved. Please retain this copy for your records. Take care!

Marc T. Vincent
Critical Infrastructure Protection Program Director
Division of Homeland Security
GEMA/ Homeland Security
Post Office Box 18055
Atlanta, GA 30316-0055
Direct: 404-635-7237
Fax: 770-357-1102
Email: marc.vincent@gema.ga.gov

Customer Service Note: How well did I serve you? <http://www.gema.ga.gov/feedback>

Disclaimer: This message is intended only for the use of the individual or entity to which it is addressed and may contain information which is privileged, confidential, proprietary, or exempt from disclosure under applicable law. If you are not the intended recipient or the person responsible for delivering the message to the intended recipient, you are strictly prohibited from disclosing, distributing, copying, or in any way using this message. If you have received this communication in error, please notify the sender and destroy and delete any copies you may have received.

GEORGIA EMERGENCY MANAGEMENT AGENCY
FY 2008 DHS State Homeland Security Grant Program *(SHADED AREAS ARE FOR GEMA USE ONLY)*

Fiscal Year/Part 2008	FIPS NO.	SHEET # 2221	DATE SUBMITTED	APPROVAL DATE
Federal ID No. 58-	APPLICANT (Agency/ Department) Atlanta Police Department -SWAT/Bomb Unit	COUNTY Fulton	GEMA AREA 7	GAN NO. 2008-GE-T8-0017
ADDRESS Atlanta Public Safety Headquarters 226 Peachtree Street Atlanta Ga. 30303		CONTACT NAME Sergeant Robert Bailey	CONTACT PHONE / ALTERNATE NO./E-MAIL: 404-530-7850	

Category - Indicate below, must be one of the following: 1. Personal Protective Equipment (PPE), 2. EOD, 3. CBRNE Search and Rescue (SAR), 4. Information Technology (IT), 5. Cyber Security (CS), 6. Interoperable Communications (Inter. Op), 7. Detection Equipment (DET), 8. Decon (DECON), 9. Medical Supplies (MED), 10. Power Equipment (POW), 11. CBRNE Reference Materials (REF), 12. CBRNE Response Vehicles (VEH), 13. Terrorism Prevention (TP), 14. Physical Security (PS), 15. Inspection and Screening (IS), 16. Agricultural (Ag), 17. Watercraft (WC), 18. Aviation (AIR), 19. CBRNE Logistical Support (LS), 20. Intervention (INT), 21. Other Authorized (O)

Investment Justification = _____ **Specify on this line the Investment Justification associated with the project to be funded One per application.**
 Choose one: 1. National Incident Management System and National Response Plan, 2. Regional Collaboration, 3. National Infrastructure Protection Plan, 4. Information Sharing, 5. Interoperable Communications, 6. CBRNE, 7. Medical Surge and Mass Prophylaxis, 8. Explosive Device Response Operations, 9. Law Enforcement Operations and Investigations, 10. Citizen Preparedness and Volunteer Efforts, 11. Georgia Search and Rescue Program, 12. Evacuation Preparedness, 13. Agroterrorism Defense, 14. Planning

Strategic Goal No. = For each requested item, list below the number of the specific State Strategic Plan Goal, Objective and Steps the requested item will further, for example 4.1.1-5.
Discipline = LE **Specify discipline on this line: Fire, Law Enforcement (LE), EMS, EMA, 911, Other** **NOTE: Only ONE discipline per application**

ITEM NO	CATEGORY	ITEM	STATE GOAL, OBJECTIVE, STEP	QUANTITY	COST EACH	TOTAL COST
001	2	Imager - Logos4Scanner Kit		1	\$0.00	-
002	2	NABCO Model 64 BioChem-rated Self-closing TCV		1	\$304,400.00	\$ 304,400.00
003	2	Suit EOD 9 Olive Drab		1	\$0.00	-
004	2	EOD 9 Helmet Assy Olive Drab		1	\$0.00	-
005	2	EOD 9 BA Visor Kit		1	\$0.00	-
006	2	HAL Special Operations Kit (Enhanced) HALSO2/00 Rigging Kit		1	\$0.00	-
007	2	REMOTEC HD-1 Small EOD Vehicle System		1	\$0.00	-
008	2	Radio Control Assy. Hybrid (Wireless for Robot)		1	\$0.00	-
009	2	Scan-x X-Ray System		1	\$24,719.00	\$ 24,719.00
010	2	Chassis Up-Grade for F6A Robot		1	\$57,846.00	\$ 57,846.00
011	2	Up Grade/New Bed for Bomb Response Truck		1	\$95,000.00	\$ 95,000.00
TOTAL					\$	481,965.00

PREPARED BY: Robert Bailey **TITLE:** Sergeant

ATLANTA POLICE DEPARTMENT

Purchase Requisition

Control # _____
 (Obtain Control # through Procurement Control Number Generator)

Page 1 **of** 1

Requesting Division		Section		Unit	
CSD		SOS		SWAT	
Contact Person/PRO		Email			
Sergeant Robert Bailey		rwbailley@atlantaga.gov			
Phone		Fax		Date	
404-886-2863		404-244-7081		01-26-11	

FORMAL QUOTES ATTACHED

Yes ☒ **No** ☐

Instructions: Please use one company per requisition

Company Preferred		Contact Person	
Nabco, Inc.		Randy Markey	
Address			
1001 Corporate Drive Suite 205			
City/State/Zip		Phone	
Canonsburg, PA. 15317		724-746-9617	
Email		Fax	SS# or FED Tax ID
randy@nabcoinc.com		724-746-9709	

Item	Detail Description (Must include make/size/color/etc)	Qty	Contract Item#/ Catalog#/Page# (attach copy if applicable)	Model/ Part/ Product #s	Price Per Unit	Total Price
1	Nabco Model 64-GT-SCS Total containment Vessel	1			\$279,000	\$279,000
2	Programmable Logic Control	1			\$13,700	\$13,700
3	Small Robot Ramp 36"x42" wide x 78" Long	1			\$3,600	\$3,600
4	Extendable Flood Light (2)	1			\$1,600	\$1,600
5	Upgrade Generator to 7000 kw Quiet Run	1			6,500	6,500
Justification of request: Its an approved equipment on the 2008 GEMA Homeland Security Bomb Squad Equipment Grant. This Total Containment Vessel will be utilized to secure and transport a suspect explosive device whenever possible. It is rated to with-stand repeated blast of 15lbs of C-4 plastic explosive or equivalent. Currently the unit is utilizing an antiquated containment vessel that is 18 years old and in poor working condition. This vessel will be able to be retro fitted to a gas tight WMD vessel in the future as funding becomes available.					SUBTOTAL (of attached pages)	\$304,400.00
					GRAND TOTAL	\$304,400.00

Requester's name Sergeant Robert Bailey

Unit Commander _____

Section Commander _____

Division Commander _____

Approved FMU _____

SSD Commander _____

Date 01-26-11

Date _____

Date _____

Date _____

Date _____

Date _____

For FMU Use Only	
Date Received	_____
Date Processed	_____
Entered By	_____
FAC #	_____
P.O. #	_____



1001 Corporate Drive
Suite 205
Canonsburg, PA 15317
724-746-9617 Phone
724-746-9709 Fax
www.nabcoinc.com

January 17, 2011

Atlanta Police Department
Robert Bailey

Re: Nabco Total Containment Vessel
Quote #9-0710-01B

Dear Sir,

We are pleased to provide the following quote.

Model 64-SCS

Equipment Description:

Nabco Model 64-GT-SCS Total Containment Vessel with gas-tight capability and vapor phase sample system. This unit operates in the venting mode of operation. The unit will be fixed mounted onto Nabco trailer Model #6. The TCV is outfitted with our new SCS door design, allowing for complete automation of the opening and closing procedure.

- | | |
|--|----------------|
| • Nabco Model 64-SCS Total Containment Vessel: | \$279,000 |
| • Nabco WMD Kit With Sample System: | \$35,000 |
| • Programmable Logic Control: | \$13,700 |
| • Small Robot Ramp:
36" – 42" wide x 78" long, 700# capacity. | \$3,600 |
| • Large Robot Ramp:
70" wide x 76" long, 5000# capacity | \$7,000 |
| • Nabco Fixed Mount Trailer Model #6, Aluminum Construction: | Included Above |
| ○ Electric Brakes | |
| ○ 60 Hz On-Board Generator | |
| ○ Running Lights to DOT Standards | |
| ○ Pintel Hitch | |
| ○ 7 Pin RV Plug | |
| ○ Tongue Weight No More Than 12% | |
| ○ 22 inch Hitch Height | |
| ○ Battery Charger with Shoreline Plug | |
| • Prepaid Freight: | \$4,000 |
| • Prepaid Training: | \$2,500 |

Specification Summary:

Explosive Capacity	15# C-4 repeatable
Repeat Use	Yes
Door Size	22.5"

Model 42-SCS**Equipment Description:**

Nabco Model 42-GT-SCS Total Containment Vessel with gas-tight capability and vapor phase sample system. This unit operates in the venting mode of operation. The unit will be fixed mounted onto Nabco trailer Model #2. The TCV is outfitted with our new SCS door design, allowing for complete automation of the opening and closing procedure.

- | | |
|--|----------------|
| • Nabco Model 42-GT-SCS Total Containment Vessel: | \$251,000 |
| • Nabco WMD Kit With Sample System | \$35,000 |
| • Programmable Logic Control: | \$13,700 |
| • Small Robot Ramp:
36" – 42" wide x 78" long, 700# capacity. | \$3,600 |
| • Large Robot Ramp:
70" wide x 76" long, 5000# capacity | \$7,000 |
| • Nabco Fixed Mount Trailer Model #2, Aluminum Construction: | Included Above |
| ○ Electric Brakes | |
| ○ 60 Hz On-Board Generator | |
| ○ Running Lights to DOT Standards | |
| ○ 2 5/16" Ball Hitch | |
| ○ 7 Pin RV Plug | |
| ○ Tongue Weight No More Than 12% | |
| ○ 22 inch Hitch Height | |
| ○ Battery Charger with Shoreline Plug | |
| • Prepaid Freight: | \$4,000 |
| • Prepaid Training: | \$2,500 |

Specification Summary:

Explosive Capacity	10# C-4 repeatable
Repeat Use	Yes
Door Size	22.5"

Additional options are listed below. Contact a NABCO representative to ensure all options are available on the trailer model you choose.

- | | |
|---|---------|
| a. Fender Mounted Tool Boxes
1/8 Aluminum, 2 horizontally hinged doors,
waterproof, lights, painted, and secure.
Price for 2 | \$4,100 |
| *Not available on 64-GT-SCS w RAD | |

b. Robot Locker	Call for Custom Quote
1/8 Aluminum, waterproof, lights, painted, and secure Loading ramp included.	
c. Storage Locker (for 2 bomb suits)	\$5,000
d. Extendable Flood Light	\$1,600 (2)
(120 Volt)	
e. TCV Tarp	\$3,600
f. TCV and Trailer Tarp	\$6,500
g. Full Secondary Enclosure System	\$16,500
***Not available with Fender Box Option	
h. Upgrade generator to a 7000 kW fully enclosed portable generator. Quiet run generator rated at 70 (db) at 10' versus 78.5 (Db) at 23' for our standard generator	\$6,500
i. Maintenance Program ESP-01	\$7,000
j. EOD Grabber Pole with Case	\$3,400
k. Spare Part Kits	Call for Custom Quote
l. Truck-Mounted TCV Package	Call for Custom Quote

The following notes apply to this quotation.

1. The above price is quoted firm for any order received prior to 3/31/11. Pricing is valid for orders directly to NABCO, Inc. and does not reflect pricing through third party contractors, including GSA Schedule vendors. Discounted pricing is available through the NYS/NASPO Multi-State HIRE Contract. Call NABCO for more details about this program.
2. Delivery quoted at time of order.
3. Training consists of two days at client facility.
4. This product is categorized under DHS AEL No. 02EX-00-TCVV. More information can be found at the Responder Knowledge Base website, www.rkb.mipt.org. Call NABCO for information on our free Grant Assistance Program.
5. Please note that the desired paint color/code must be specified at time of purchase, and should be listed on the Purchase Order. All orders processed without paint information will be painted Dupont Black 1640 or Dupont White 1632.

I have attached specifications and a data sheet with this quotation. Should you need any additional information, please contact me or Tiffany Novotney at the number listed above. We appreciate the opportunity to quote on your requirements.

Sincerely,

Randy Markey
Executive Vice President
Business Development



1001 Corporate Drive
Suite 205
Canonsburg, PA 15317
724-746-9617 Phone
724-746-9709 Fax
www.nabcoinc.com

January 26, 2011

Re: Nabco Model 64- SCS Total Containment Vessel

To Whom It May Concern:

The purpose of this letter is to state that Nabco, Inc is the only company in the world which manufactures a full and total containment bomb disposal system to the specifications we have submitted to you and that match the above referenced Nabco Model #.

Our system offers the following features unavailable with any other system currently available in the world today:

- Department of Defense Explosive Safety Board Approval: Please see the attached approval report. Nabco TCV's are the only TCV's in the world with approval from the DDESB.
- Total Containment: The Nabco system is capable of repeatedly containing the fragmentation and over pressure within the vessel from a detonation of up to (26) pounds one time and (15) pounds repeatedly of C-4 explosives.
- Nabco performs full capacity proof testing on each unit prior to delivery to insure performance.
- Nabco units are designed to operate at negative 30 degrees Fahrenheit.
- Gas-Tight Operation: The Nabco vessel can be retrofitted or supplied new with the capability of safely containing gases generated during an internal detonation inside the vessel. This allows for safe handling and mitigation of explosive devices associated with chemical and or biological agents. In addition the gas-tight units allow the users to circulate and draw vapor phase sample if the interior atmosphere of the vessel as well the ability to decontaminate and treat the remnants of a detonation.
- The Nabco system offers the Self-Closing Door design, which offers the door located 90 degrees from the bottom of the vessel to allow for side loading of the TCV. This eliminates dangerous top loading and enables EOD to better utilize their robotic platforms. In addition the SCS door is operated by logic-controlled switches, which can be operated by standard EOD robots eliminating the need for the bomb technician to approach the TCV during the loading or unloading process. Double redundant back up systems provide the ability to operate the door in the event of primary power failure. Loading of the suspect device is by inserting the IED into the TCV, and no part of the TCV swings of the vessel body itself posing a potential fragmentation hazard should premature detonation occur while door is closing.

Our Federal ID # is 25-1534103. If you have questions or need further clarification please do not hesitate to contact me.

Sincerely,

Randy Markey
Executive Vice President
Business Development



**DEPARTMENT OF DEFENSE EXPLOSIVES SAFETY BOARD
2461 EISENHOWER AVENUE
ALEXANDRIA, VIRGINIA 22331-0600**

JUN 29 2010

DDESB-PD

**MEMORANDUM FOR HEADQUARTER AIR FORCE SAFETY CENTER
(ATTENTION: SEW)**

SUBJECT: Approval of Four NABCO Incorporated Total Containment Systems: Models 64-SCS, 64-SCS-GT, 42-SCS, and 42-SCS-GT

- References:
- (a) HQ AFSC/EW memorandum, 11 February 2010, Subject: Request Approval to Use the NABCO Inc. Total Containment Vessel, Model 64-GT-SCS at Reduced Quantity-Distance Criteria with attached December 2009 NABCO Test report for the Model 64-GT-SCS
 - (b) HQ AFSC/EW memorandum, undated, Subject: Request Approval of NABCO Inc. Total Containment Vessel, Models 64-SCS/GT and 42-SCS/GT to be added to TP 15, to include a December 2009 NABCO test report for the 42-SCS/GT
 - (c) Test Report, "15-pound C-4 (6.8-kg C-4) Testing for the NABCO 64 Self Closing System (64-SCS) and Gas-Tight System (64-SCS-GT)", May 2010, NABCO, Incorporated, Pittsburg, PA
 - (d) Test Report, "10-pound C-4 (4.5-kg C-4) Testing for the NABCO 42 Self Closing System (42-SCS) and Gas-Tight System (42-SCS-GT)", May 2010, NABCO, Incorporated, Pittsburg, PA
 - (e) NAVEODFAC Report TR-229, "Development and Testing of the MK 634 MOD 0 Explosive Devices Container," March 1980, Naval Explosive Ordnance Disposal Facility, Indian Head, MD 20640
 - (f) DDESB Technical Paper 16, "Methodologies for Calculating Primary Fragment Characteristics," Revision 3, 1 April 2009

Reference (a) requested Department of Defense Explosives Safety Board (DDESB) approval of the NABCO, Incorporated, Total Containment Vessel, Model 64-GT-SCS, with a reduced quantity-distance (QD). Reference (b) requested DDESB approval for the Model 42-GT-SCS, in addition to the Model 64-GT-SCS requested in reference (a). Reference (c) and (d) provided updated test reports for the two vessels, that included the results of May 2010 testing at 125% of the rated capacities of 10 pounds (lbs) and 15 lbs net explosive weight (NEW) of C-4 explosives, respectively, for the 42-GT-SCS and 62-GT-SCS vessels. In addition, reference (e)

was provided to detail the history and extensive blast and fragmentation developmental testing performed with the MK 634 Mod 0 Explosive Devices Container, which is the basis for the NABCO Model 42 and 62 variants. Based on the information provided, DDESB approval is granted for use of the containers for emergency response detonation and transportation, as outlined in the below paragraphs. For the purposes of this approval, the chemical and biological mitigation aspects associated with the gas-tight (GT) variants were not considered, consequently, DDESB review focused on the vessels' capabilities to contain/withstand internal explosion effects from both fragmenting and non-fragmenting explosive devices and the design's slow release of internal blast pressures, thereby contributing to a reduced QD/exclusion area. These vessels are not intended to be used for storage or for routine destruction of ammunition.

Terminology to be used:

In order to be consistent within this approval memorandum, the terminology used by NABCO in their test reports will be used herein to designate the total containment systems submitted by the Air Force Safety Center (SEW) for Department of Defense Explosives Safety Board (DDESB) approval. There are actually four separate systems involved: two variants related to the NABCO Model 64 (the Self Closing System (64-SCS) and the Gas Tight System (64-SCS-GT)) and two variants related to the NABCO Model 42 (the Self Closing System (42-SCS) and the Gas Tight System (42-SCS-GT)). All four systems contain explosion effects from an internal explosion up to their rated capacity and utilize the hydraulically-driven self closing system, but only the GT variants (42-SCS-GT and 64-SCS-GT) are equipped with a gas tight system, which mitigates the hazards from an improvised explosive device (IED) that has a biological or chemical hazard associated with it. The two SCS (non-GT) variants provide controlled venting from an internal detonation via a vent port in the roof and around the door; whereas the two SCS-GT variants completely contain all effects from an internal detonation of a chemical or biological IED for processing and internal pressure release at a safe location. In the GT variants, prevention of internal effects leakage (gas, chemical, and biological) is maintained through the use of an electrical pass-through for the charge detonation electrical leads, caps that seal the vents, and by use of O-rings with dovetail grooves in the door that provide a complete seal.

Application and background:

a. The NABCO 42-SCS-GT and 64-SCS-GT systems are designed for use by emergency response personnel (such as Explosive Ordnance Disposal (EOD) or a Bomb Squad), to eliminate hazards to personnel and material when improvised explosive devices (IEDs) or unexploded ordnance (UXO) are discovered and need to be transported from the operations site to a suitable disposal site. An example would be finding an IED downtown in a congregated area. Prior to making an assessment of the hazard/risk, emergency response personnel would initially evacuate an appropriately-sized area around the explosive device that was found. As part of their assessment, EOD would 1) determine that the item was safe to be loaded into the total containment vessel and transported to a remote location for removal from the vessel and disposal, or 2) determine that the item should not be moved, and decide to blow it in place using EOD procedures and mitigation techniques, or 3) determine that the item can be moved but not removed safely from the vessel, so would set a counter-charge in the vessel, place the explosive

device inside the vessel and onto the internal basket that centers the charge in the vessel, close/seal the door and detonate the device inside the container, thereby containing effects and virtually eliminating the risk to the surrounding area. In order to transport an explosive device, the device would be placed onto the internal basket, the vessel's door would be closed and sealed, and as the vessel is mounted on a trailer, it would then be towed to the disposal site. A specially designed, stationary frame system prevents the vessel response from being transmitted to the trailer.

b. In the mid to late 1970s, the Naval Explosive Ordnance Disposal Facility (NAVEODFAC), located at Indian head, MD, in close coordination with their contractor, Batelle Columbus Laboratories, designed, developed and manufactured a full-containment explosive devices container for the reasons described above in paragraph a. Developmental testing was conducted to determine overpressure effects from internal detonations (centered and off-set spherical and rectangular charges), as well as to demonstrate the capability of the container to contain the effects from fragmenting devices (soft-packaged as well as metallic-cased explosive devices). The metallic cased items included 60mm mortars and 2-inch OD by 12-inch long, Schedule 40 pipe bombs that were placed in sacrificial fragment-attenuating tubes (having sand-filled walls and a sand-filled end plug) to prevent excessive damage to the interior of the vessel. The final design of the vessel, named the MK 634 MOD 0 Explosive Devices Container, was manufactured of HY-80 steel, which has the capacity for both elastic and plastic deformation in response to internal detonation forces, and which demonstrated the capability of withstanding repeated internal detonations of fragmenting 10-pound TNT equivalent events. Its development and testing is described in reference (a). Upon completion of this effort, NAVEODFAC approached a company (now called NABCO) about producing the design on a production basis. Thirty-seven of those units were built. Over the years, the original cumbersome door assembly was replaced with one that was easier to operate, and the MK 634 MOD 0 system was renamed as the NABCO 42-SCS. Further refinements were incorporated over time, and a larger version of the 42-SCS was built and designated as the NABCO 64-SCS, and a GT variant for each model was developed to address additional threats. Those SCS variants, also constructed of HY-80 steel, are the vessels that were tested as described in references (c) and (d). Another significant aspect about the MK 634 MOD 0 is that as part of the NAVEODFAC testing program, the unit was tested to rupture, which occurred with 40 lbs C-4 explosives, following a 20-pound C-4 explosive detonation test, and a 30-pound C-4 explosive detonation test. This demonstrates the significant safety factor associated with the initial vessel's design, as well as with the follow-on NABCO Model 42 and 64 total containment vessels.

c. Batelle Columbus Laboratories accomplished extensive fragmentation testing, as detailed in reference (e), to determine the MK 634 MOD 0's capabilities to withstand fragment impact. Testing showed that the vessel could easily withstand fragments/debris generated by breakup of the centering basket assembly on which charges were placed. In addition, testing was conducted to demonstrate the capability of the container to contain the effects from fragmenting devices (soft-packaged as well as metallic-cased explosive devices). The metallic cased items tested included 60mm mortars and 2-inch OD by 12-inch long, Schedule 40 pipe bombs. Those fragmenting items were placed in sacrificial fragment-attenuating tubes (having sand-filled walls and an end plug) to prevent excessive damage to the

interior of the vessel. Testing showed successful containment of fragmentation with minimal internal damage.

With regards to the Model 42 and 64 variants, NABCO accomplished extensive full-scale testing with the four variants, to include 125% of rated capacity testing with each of the SCS variants, and this testing is also detailed in references (c) and (d). Based on successful testing, the allowable rated capacity for the NABCO 42-SCS and 42-SCS-GT is 10 pounds net explosive weight (NEW) of C-4 explosives (or TNT equivalent material of 12.8 pounds), and the allowable rated capacity for the NABCO 64-SCS and 64-SCS-GT is 15 lbs NEW of C-4 explosives (or TNT equivalent material of 19.20 lbs). Based on the results of testing, the associated exclusion distance is 5 feet (ft) for all variants of the NABCO 42 and 64, when the doors are secured. Because of the use of these containers for explosive devices emergency response, the 5 ft is considered a minimum exclusion distance for non-related personnel when the doors are sealed and an explosive device is contained within. When the doors are open or an explosive device is located outside of it, appropriate distances will be determined by on-site emergency response personnel in the application of their work/criteria. Public traffic route, intraline, and intermagazine distances are not applicable to the use of these vessels, for their intended purposes.

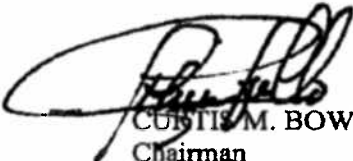
With regards to fragmenting munitions transportation/destruction within the vessels, users must use the fragment-attenuating tubes that are provided by NABCO for fragmenting items greater than 40mm outside diameter (OD). If the fragmenting items will not fit in the fragment attenuation shield, then the item cannot be considered for detonation/transportation in the vessels, without first completing a careful assessment about the penetration hazard posed by that item. Reference (f) can be used for making such an assessment. For items under 40mm OD, these items may be placed directly onto the basket assembly. The rationale for this exclusion is that DDESB has previously approved NABCO storage containers for storage of fragmenting munitions of that diameter, without restriction because those fragments are easily defeated by the steel construction of the storage vessels. The same situation applies to the NABCO Model 42 and 64 vessel construction.

Following an internal detonation, a post-detonation inspection shall be conducted in accordance with Appendix B of references (c) and (d). A vessel that has exceeded any maximum, allowable measurement (as provided by NABCO) between fiducial mark sets, or that exhibits any cracking, or that has any internal fragment penetrations that exceed the specified maximum depth shall be immediately taken out of service. Close coordination will be maintained with NABCO prior to any repairs being performed and before any unit is returned to service.

Because of the nature of the operations involved (emergency response), the requirement for a DDESB approved site plan is not applicable. The operations associated with the use of the NABCO Models 42 and 64 total containment systems shall be conducted in accordance with applicable EOD criteria/guidance.

These approved systems will be added to DDESB Technical Paper 15, Approved Protective Construction.

Point of contact is Eric Deschambault, DSN: 221-3558; Commercial (703) 325-3558; and
E-mail: eric.deschambault@ddesb.osd.mil.



For
CURTIS M. BOWLING
Chairman
DDESB

cc:
NAVEODTECHDIV
NABCO, Inc., Pittsburg, PA

TRANSMITTAL FORM FOR LEGISLATION

TO: MAYOR'S OFFICE

ATTN: CANDACE L. BYRD

Legislative Counsel (Signature): Investigator Kurt Braunsroth

Contact Number: (404) 546-4266

Originating Department: Department of Police

Committee(s) of Purview: Public Safety and Legal Administration

Council Deadline: May 27, 2011

Anticipated Committee Meeting Date(s): June 14-15, 2011

Anticipated Full Council Date: June 20, 2011

Commissioner Signature:

Chief Procurement Officer Signature:

CAPTION

A RESOLUTION AUTHORIZING THE MAYOR TO EXECUTE A SOLE SOURCE PURCHASE WITH NABCO, INC., FOR SPECIALIZED HOMELAND SECURITY EQUIPMENT, ON BEHALF OF THE DEPARTMENT OF POLICE, IN AN AMOUNT NOT TO EXCEED THREE-HUNDRED AND FOUR THOUSAND, FOUR-HUNDRED DOLLARS (\$304,400). ALL COSTS SHALL BE CHARGED TO AND PAID FROM A GRANT FROM THE UNITED STATES DEPARTMENT OF HOMELAND SECURITY: 2501 (INTERGOVERNMENTAL GRANT FUND); 240101 (GENERAL LEDGER DEPARTMENT: APD CHIEF OF POLICE; 5421003 (EXPENSE ACCOUNT: EQUIPMENT \$5,000+); 1320000 (FUNCTION ACTIVITY NUMBER: CHIEF EXECUTIVE); 210951 (GENERAL LEDGER PROJECT: FY08 SWAT); 41972 (GENERAL LEDGER FUNDING SOURCE: FY08 SWAT); AND FOR OTHER PURPOSES.

FINANCIAL IMPACT (if any)

Mayor's Staff Only

Received by CPO:

(date)

Received by LC from CPO:

(date)

Received by Mayor's Office:

5.27.11
(date)

Reviewed by:

(date)

Submitted to Council:

(date)